REMARKS

1. Claim Status

Claims 28-45 remain pending with claims 28, 36, and 44 being independent.

2. Prior Art Rejections

The Final Office Action rejected independent claim 28 as anticipated by Tremblay (U.S. 6,212,604). In particular, the Final Office Action relies on Tremblay for teaching logic to provide a second programmable unit with data access to a resource within a first programmable unit in response to a data access request of the second unit that specifies an address within a single address space. The Final Office Action seems to imply that processor P1 of Tremblay (208 FIG. 3) can access the registers 312 of processor P2 210 by specifying an address in a single address space and vice-versa. Attorney for Applicant, however, does not understand that either processor, P1 or P2, in Tremblay has the recited data access to the other processor's internal resources irrespective of the address space used.

To illustrate, if an instruction in Tremblay's shared instruction cache 212 identifies some register number x, P1 will execute the instruction by accessing register (x + P1's register index base) in registers 306 of P1. The same instruction executed by P2 will access register (x + P2's register index base) in registers 312 of P2. That is, Tremblay register accesses by P1 and P2 do not access the registers of the other processor but identify the register of the processor executing the instruction. Simply put, P1 does not have data access to the internal resources of P2 as indicated by the Final Office Action, or vice-versa.

As such Attorney for Applicant respectfully requests withdrawal of the rejection of claim 28, and for at least the same reason, its corresponding dependent claims. Independent claims 36 and 44 have been amended to include recitation of a similar limitation. Thus, for at least the same reason, Applicant also respectfully requests

withdrawal of the rejection of independent claims 36 and 44 and their corresponding

dependent claims.

If any fees are due, please apply such fees to Deposit Account No. 50-0221.

Respectfully submitted,

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